

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	490	\$2EsterQuat\$3 And (Fabric Soft\$4 Or Hair Care Or Hair Condition\$4 Or Laundry ddtergent Or Laundry Composition)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/17 17:19
L2	13	L1 And (pH modif\$4 Or pH modifier Or pH modifying)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/17 17:19
L3	2	"5783534".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/17 17:29
L4	2	"5773011".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/17 17:33
L5	2	"6521589".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/17 17:33
L6	142	L1 And ((triethanolamine Or monoethanolamine Or ethylenediamine Or dialkylamine dialkylaminos Or dialkyl methyl amine Or amines Or ethoxylated alkyl amine Or methyl propanol alkyl amine) Same pH)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/17 18:19
L7	1	L1 And ((triethanolamine Or monoethanolamine Or ethylenediamine Or dialkylamine dialkylaminos Or dialkyl methyl amine Or amines Or ethoxylated alkyl amine Or methyl propanol alkyl amine) Same pH (modif\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/17 18:19
S1	8	("20030139312" "20030158068" "5703035" "5811385").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/16 21:27

EAST Search History

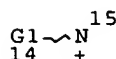
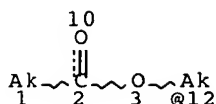
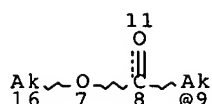
S2	2	"5961966".PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/16 21:35
S3	2	S2 And (triethanolamine Or monoethanolamine Or ethylenediamine Or dialkylamine dialkylaminos Or dialkyl methyl amine Or amines Or ethoxylated alkyl amine Or methyl propanol alkyl amine)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/17 18:18
S4	306	Ester Quat\$3 And (Fabric Soft\$4 Or Hair Care Or Hair Condition\$4 Or Laundry ddtergent Or Laundry Composition)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/16 22:42
S5	353	\$2Ester Quat\$3 And (Fabric Soft\$4 Or Hair Care Or Hair Condition\$4 Or Laundry ddtergent Or Laundry Composition)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/16 22:47
S6	490	\$2EsterQuat\$3 And (Fabric Soft\$4 Or Hair Care Or Hair Condition\$4 Or Laundry ddtergent Or Laundry Composition)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/17 17:26
S7	1	WO-200058427\$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/16 22:55
S8	1	WO-200236873\$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/16 22:59
S9	2	WO-9747716\$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/16 23:02
S10	2	WO-9747716-\$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/16 23:03

EAST Search History

S11	0	WO-199747716-\$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/16 23:03
S12	2	EP-295739\$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/16 23:04
S13	2	US "20060178283" A1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/17 12:46

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L7 STR



VAR G1=12/9

NODE ATTRIBUTES:

CHARGE IS *+ AT 15

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

L13 SCR 1838 OR 2043

L16 12895 SEA FILE=REGISTRY SSS FUL L7 NOT L13

L17 59670 SEA FILE=HCAPLUS ABB=ON PLU=ON L16

L18 684 SEA FILE=HCAPLUS ABB=ON PLU=ON L16 AND DETERG?/SC, SX

L19 78 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 AND DISPERS?

L20 70 SEA FILE=HCAPLUS ABB=ON PLU=ON L19 AND (1840-2004)/PRY, AY, PY

L21 65343 SEA FILE=HCAPLUS ABB=ON PLU=ON PH+PFT, NT, OLD, NEW/CT

L22 157 SEA FILE=HCAPLUS ABB=ON PLU=ON L17 AND (L21 OR PH MODIF?)

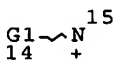
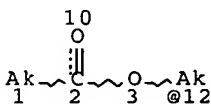
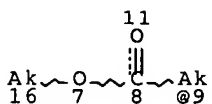
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L24 45 SEA FILE=HCAPLUS ABB=ON PLU=ON L20 AND (WATER OR H2O)

L25 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L24 AND SOLVENT?

L26 71 SEA FILE=HCAPLUS ABB=ON PLU=ON L20 OR L23 OR L24 OR L25

L27 STR



VAR G1=12/9

NODE ATTRIBUTES:

CHARGE IS *+ AT 15

CONNECT IS E1 RC AT 1

CONNECT IS E1 RC AT 16

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS M8 C AT 1

ECOUNT IS M8 C AT 16

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

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 L32 45 SEA FILE=HCAPLUS ABB=ON PLU=ON L31 AND L26
 L33 32 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND (FORMULATION? OR
 COMPOSITION? OR MIXTURE?)
 L34 45 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 OR L33

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L34 ANSWER 1 OF 45 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:963773 HCAPLUS Full-text
 DOCUMENT NUMBER: 143:250112
 TITLE: Multiple use fabric conditioning
 composition with improved perfume
 INVENTOR(S): Trinh, Toan; Smith, John William; Duderstadt,
 Jacqueline Marie
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 12 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

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10/594,210

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WO 2005-US6390 W 20050225

WO 2005-US6391 W 20050225

WO 2005-US6392 W 20050225

WO 2005-US6398 W 20050225

ED Entered STN: 02 Sep 2005

AB Multiple use fabric conditioning composition comprising improved perfume are useful for softening laundry in a dryer. A first aspect of the invention provides a multiple use fabric conditioning composition comprising: (a) a fabric conditioning component; (b) a carrier component; and (c) a perfume component encapsulated in, preferably moisture-activated compound such as cyclodextrin and starch.

IT 32208-01-8 32208-04-1

(multiple use fabric conditioning composition with improved perfume)

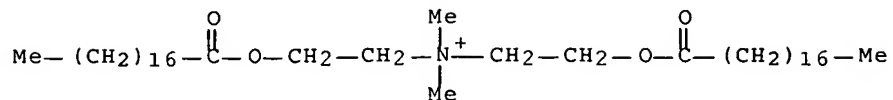
RN 32208-01-8 HCAPLUS

CN Ethanaminium, N,N-dimethyl-2-[(1-oxooctadecyl)oxy]-N-[2-[(1-oxooctadecyl)oxy]ethyl]-, methyl sulfate (9CI) (CA INDEX NAME)

CM 1

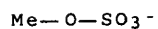
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CRN 45320-30-7
CMF C42 H84 N O4



CM 2

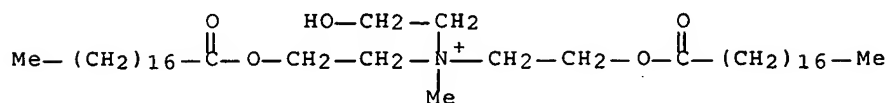
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CMF C H3 O4 S



RN 32208-04-1 HCAPLUS
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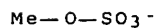
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CM 2

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INCL 510520000
CC 46-5 (Surface Active Agents and Detergents)
Section cross-reference(s): 40
ST fabric conditioning perfume multiple use compn; moisture

activated compd encapsulated perfume softening laundry perfume
 IT Dispersing agents
 Laundering
 Perfumes
 Softening agents
 (multiple use fabric conditioning composition with improved perfume)
 IT Carboxylic acids, uses
 Quaternary ammonium compounds, uses
 (multiple use fabric conditioning composition with improved perfume)
 IT 844503-97-5, Ethylene oxide-propylene oxide-terephthalic acid block copolymer
 (assumed monomers for dispersing agents; multiple use fabric conditioning composition with improved perfume)
 IT 7585-39-9, β -Cyclodextrin 9005-25-8, Starch, uses
 (encapsulation agent; multiple use fabric conditioning composition with improved perfume)
 IT 110-30-5, Acrawax C 110-31-6, Ethylenebisoleamide 112-92-5, Stearyl alcohol 661-19-8, Behenyl alcohol 7445-68-3, Ethylenebisbehenamide 9002-88-4, Vybar 103 32208-01-8 32208-04-1 106392-12-5, Ethylene oxide-propylene oxide block copolymer 610797-52-9, Varisoft DS 110
 (multiple use fabric conditioning composition with improved perfume)

L34 ANSWER 2 OF 45 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:902971 HCAPLUS Full-text
 DOCUMENT NUMBER: 143:231814
 TITLE: Stable aqueous microemulsions for finishing textiles with droplet size less than 500 nm.
 INVENTOR(S): Raehse, Wilfried
 PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft auf Aktien, Germany
 SOURCE: PCT Int. Appl., 70 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005078061	A1	20050825	WO 2005-EP1061	20050203

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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 102004007312	A1	20050901	DE 2004-102004007312	20040214
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EP 1713896	A1	20061025	EP 2005-701327	20050203
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10/594,210

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS
JP 2007524743 T 20070830 JP 2006-552510 20050203
US 2007197418 A1 20070823 US 2006-589455 20061006
PRIORITY APPLN. INFO.: DE 2004-102004007312A 20040214
WO 2005-EP1061 W 20050203

ED Entered STN: 26 Aug 2005

AB Stable aqueous microemulsions containing oil(s), a specific emulsifier (≥ 1 lipophilic cationic emulsifying agent), < 10 weight% of a cationic polymer such as quaternary ammonium polymers, complexing agents and having droplet size $d_{50} < 500$ nm are useful for removing from textiles a residual surfactant left after a washing process and for providing fabrics with a skin benefit agent in an automatic washing machine even in a cold water. A typical composition prepared by dispersing citric acid 3.50, sodium citrate 1.75, cationic emulsifying agent Dehyquart AU 56 4.00, cationic polymer Luviquat Excellence 0.20, nonionic emulsifying agent Eumulgin B3 0.25, almond oil 30.00, rosemary oil 0.40, ethanol 4.00, formic acid 0.05, antioxidant Tocomix L70 0.10 and water 55.75 weight% having pK 3.5 is used for finishing textiles from cotton fabric.

IT 32208-04-1, Dehyquart AU 56
(cationic emulsifying agent; stable aqueous microemulsions containing oil, a cationic emulsifying agent, cationic polymer, complexing agents and other additives for removing from textiles a residual surfactant)

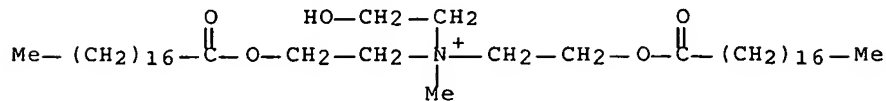
RN 32208-04-1 HCAPLUS

CN Ethanaminium, N-(2-hydroxyethyl)-N-methyl-2-[(1-oxooctadecyl)oxy]-N-[2-[(1-oxooctadecyl)oxy]ethyl]-, methyl sulfate (1:1) (CA INDEX NAME)

CM 1

CRN 45321-40-2

CMF C43 H86 N O5



CM 2

CRN 21228-90-0

CMF C H3 O4 S

Me-O-SO₃⁻

IC ICM C11D017-00

ICS C11D003-00

CC 46-6 (Surface Active Agents and Detergents)

Section cross-reference(s): 62

IT 32208-04-1, Dehyquart AU 56

(cationic emulsifying agent; stable aqueous microemulsions containing oil, a cationic emulsifying agent, cationic polymer, complexing agents and other additives for removing from textiles a residual surfactant)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L34 ANSWER 3 OF 45 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:956559 HCAPLUS Full-text

DOCUMENT NUMBER: 142:120931

TITLE: Contiguous versus Segmented Hydrophobicity in Micellar Systems

AUTHOR(S): Menger, Fredric M.; Galloway, Ashley L.

CORPORATE SOURCE: Department of Chemistry, Emory University, Atlanta, GA, 30322, USA

SOURCE: Journal of the American Chemical Society (2004), 126(48), 15883-15889
CODEN: JACSAT; ISSN: 0002-7863

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 142:120931

ED Entered STN: 11 Nov 2004

AB This paper addresses a question not yet posed systematically in surfactant chemical: How do the colloidal properties of surfactants respond to insertion of nonhydrocarbon functionalities (i.e., ester groups) within chains that are normally entirely hydrocarbon. In answering this question, 2 classes of such chain-modified surfactants were discovered. One class forms only small aggregates with noncooperative self-assembly, low foaming, high areas of occupancy at the air/H₂O interface, and weak solid-adsorption and solubilization properties. The other class is much more normal with regard to these properties and, in fact, can even exceed conventional surfactants in mesitylene solubilization. Differences between the 2 categories of chain-modified surfactants originate from the degree of segmentation of the hydrocarbon and, in particular, upon the location of the longest segment. Segmented hydrophobicity, having in principle a hydrophobic potential similar to that of a contiguous hydrophobicity of equal length, can induce aggregation but, concurrently, alters the mode of assembly into films and micelles.

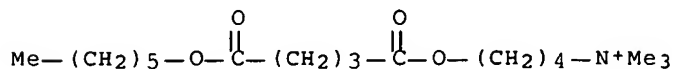
IT 821015-83-2P 821015-84-3P 821015-85-4P

821015-86-5P 821015-87-6P 821015-88-7P

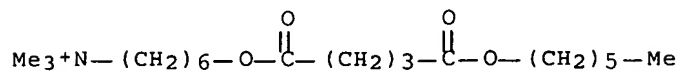
(contiguous vs. segmented hydrophobicity in micellar systems)

RN 821015-83-2 HCAPLUS

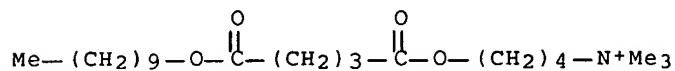
CN 1-Butanaminium, 4-[[5-(hexyloxy)-1,5-dioxopentyl]oxy]-N,N,N-trimethyl-, bromide (9CI) (CA INDEX NAME)



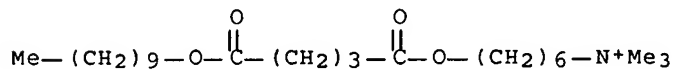
RN 821015-84-3 HCAPLUS

CN 1-Hexanaminium, 6-[[5-(hexyloxy)-1,5-dioxopentyl]oxy]-N,N,N-trimethyl-,
bromide (9CI) (CA INDEX NAME)

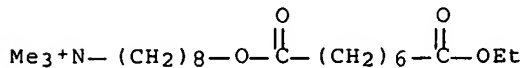
RN 821015-85-4 HCAPLUS

CN 1-Butanaminium, 4-[[5-(decyloxy)-1,5-dioxopentyl]oxy]-N,N,N-trimethyl-,
bromide (9CI) (CA INDEX NAME)

RN 821015-86-5 HCAPLUS

CN 1-Hexanaminium, 6-[[5-(decyloxy)-1,5-dioxopentyl]oxy]-N,N,N-trimethyl-,
bromide (9CI) (CA INDEX NAME)

RN 821015-87-6 HCAPLUS

CN 1-Octanaminium, 8-[(8-ethoxy-1,8-dioxooctyl)oxy]-N,N,N-trimethyl-,
bromide (9CI) (CA INDEX NAME)

RN 821015-88-7 HCAPLUS

CN 1-Propanaminium, N,N,N-trimethyl-3-[(1-oxododecyl)oxy]-, bromide (9CI)

alc mixt; disinfectant betaine ester fatty alc; textile treatment betaine ester fatty alc; storable betaine ester fatty alc mixt; detergent betaine ester fatty alc mixt

- IT Fatty acids, uses
(C10-22; powdered, flake, and granulated mixts. of betaine esters and fatty alcs. or acids with good storage stability, water dispersibility, restoring properties, and biodegradability)
- IT Shaving preparations
(aftershave; powdered, flake, and granulated mixts. of betaine esters and fatty alcs. or acids with good storage stability, water dispersibility, restoring properties, and biodegradability)
- IT Esters, uses
(betaine salts; powdered, flake, and granulated mixts. of betaine esters and fatty alcs. or acids with good storage stability, water dispersibility, restoring properties, and biodegradability)
- IT Betaines
(esters, salts; powdered, flake, and granulated mixts. of betaine esters and fatty alcs. or acids with good storage stability, water dispersibility, restoring properties, and biodegradability)
- IT Alcohols, uses
(fatty, C10-22; powdered, flake, and granulated mixts. of betaine esters and fatty alcs. or acids with good storage stability, water dispersibility, restoring properties, and biodegradability)
- IT Drug delivery systems
(ointments, creams; powdered, flake, and granulated mixts. of betaine ester salts and fatty alcs. or acids with good storage stability, water dispersibility, restoring properties, and biodegradability)
- IT Drug delivery systems
(ointments; powdered, flake, and granulated mixts. of betaine ester salts and fatty alcs. or acids with good storage stability, water dispersibility, restoring properties, and biodegradability)
- IT Disinfectants
(powdered, flake, and granulated mixts. of betaine ester salts and fatty alcs. or acids with good storage stability, water dispersibility, restoring properties, and biodegradability)
- IT Biodegradable materials
 - Cosmetics
 - Detergents
 - Fabric softeners
 - Hair preparations
(powdered, flake, and granulated mixts. of betaine esters and fatty alcs. or acids with good storage stability, water dispersibility, restoring properties, and biodegradability)
- IT 112-53-8, Lauryl alcohol 112-92-5, Stearylalcohol 2629-75-6, Betaine lauryl ester chloride 5333-42-6, Eutanol G 30399-84-9, Isostearic acid 36653-82-4, Cetyl alcohol 52132-48-6, Betaine cetyl ester chloride 54514-50-0, Betaine myristyl ester chloride 75163-83-6, Betaine stearyl ester chloride
(powdered, flake, and granulated mixts. of betaine ester salts and fatty alcs. or acids with good storage stability, water dispersibility, restoring properties, and biodegradability)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

L34 ANSWER 19 OF 45 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:15828 HCAPLUS Full-text
DOCUMENT NUMBER: 128:76848
TITLE: Aqueous laundry softening agents with high zeta
potential
INVENTOR(S): Behler, Ansgar; Wilsch-Irrgang, Anneliese; Volkel,
Theodor; Guckenbiehl, Bernhard
PATENT ASSIGNEE(S): Henkel K.-G.a.A., Germany; Behler, Ansgar;
Wilsch-Irrgang, Anneliese; Volkel, Theodor;
Guckenbiehl, Bernhard
SOURCE: PCT Int. Appl., 14 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9747716	A2	19971218	WO 1997-EP2892	19970604
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WO 9747716	A3	19980305		
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19623764	A1	19971218	DE 1996-19623764	19960614
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EP 920486	A2	19990609	EP 1997-927127	19970604
			<--	
EP 920486	B1	20020116		
EP 920486	B2	20041013		
R: AT, BE, DE, ES, FR, GB, IT, NL				
AT 212050	T	20020215	AT 1997-927127	19970604
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ES 2171950	T3	20020916	ES 1997-927127	19970604
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PRIORITY APPLN. INFO.:			DE 1996-19623764	A 19960614
			<--	
			WO 1997-EP2892	W 19970604
			<--	

OTHER SOURCE(S): MARPAT 128:76848

ED Entered STN: 12 Jan 1998

AB Aqueous softening dispersions which contain 0.5-20 weight% nonionic fat(s),
0.2-10 weight% cationic emulsifier, and 0-10 weight% nonionic emulsifier, in
which the weight ratio of fat to emulsifiers is 0.5-10:1, exhibit a good
softening effect if the zeta potential of the dispersion is $\geq +30$ mV at 25° and
pH 7. For example, an aqueous composition containing C16-18 fatty alcs. 1.26,
ethoxylated (12 mol) Me laurate 0.70, and
(hydroxyethyl)methylbis(palmitoyloxyethyl)ammonium Me sulfate 0.54% showed
zeta potential (pH 7, 25°) +52 mV, and a test fabric treated with it showed a
softness rating of 4.7 on a scale of 0 (hard) to 6 (soft).

IT 161294-46-8, (Hydroxyethyl)methylbis(palmitoyloxyethyl)ammoniu
m methyl sulfate

(aqueous laundry softening agents with high zeta potential)

RN 161294-46-8 HCAPLUS

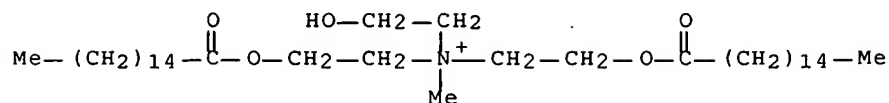
CN Ethanaminium, N-(2-hydroxyethyl)-N-methyl-2-[(1-oxohexadecyl)oxy]-N-[2-

[(1-oxohexadecyl)oxy]ethyl]-, methyl sulfate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 161294-45-7

CMF C39 H78 N O5



CM 2

CRN 21228-90-0

CMF C H3 O4 S

Me-O-SO₃⁻

IC ICM C11D001-835

CC 46-5 (Surface Active Agents and Detergents)

ST textile softening agent machine laundering; fat emulsifier softening compn; zeta potential softening compn

IT Zeta potential

(aqueous laundry softening agent compns. with high zeta potential)

IT 112-02-7, Hexadecyltrimethylammonium chloride 9006-27-3, Polyethylene glycol methyl ether laurate 11140-06-0, Glycerol palmitate 29463-06-7D, Tris(2-hydroxyethyl)methylammonium methyl sulfate, diester with tallow fatty acids 161294-46-8, (Hydroxyethyl)methylbis(palmitoyloxyethyl)ammonium methyl sulfate (aqueous laundry softening agents with high zeta potential)

L34 ANSWER 20 OF 45 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:425261 HCAPLUS Full-text

DOCUMENT NUMBER: 127:36246

TITLE: Stable high perfume, low active fabric softener compositions.

INVENTOR(S): Avila-Garcia, Maria Cristina; Escobosa-Reinosa, Roberto; Coria-Aguilar, Miriam

PATENT ASSIGNEE(S): Procter & Gamble Company, USA

SOURCE: PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE


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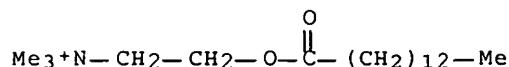
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WO 9716516          A1      19970509      WO 1996-US17151      19961025
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    KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO,
    NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA,
    UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB,
    GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG
CA 2242405          A1      19970509      CA 1996-2242405      19961025
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CA 2242405          C        20010605
AU 9675219          A        19970522      AU 1996-75219      19961025
                                <--
EP 858499           A1      19980819      EP 1996-937750      19961025
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R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT,
    IE, FI
CN 1206433          A        19990127      CN 1996-199411      19961025
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CN 1117841          B        20030813
BR 9611374          A        19990223      BR 1996-11374      19961025
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US 6022845          A        20000208      US 1998-51826      19980630
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PRIORITY APPLN. INFO.:      US 1995-7224P      P 19951103
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                                US 1996-22882P      P 19960820
                                <--
                                WO 1996-US17151      W 19961025
                                <--

OTHER SOURCE(S):      MARPAT 127:36246
ED  Entered STN:  10 Jul 1997
AB  Liquid fabric softener compns. for use in the rinse cycle of a laundering
    process comprise 0.4-24% cationic fabric softener; 0.3-10% hydrophobic
    perfume; 0.4-20% nonionic surfactant; 0-3% water -soluble ionizable inorg.
    salt; 60-98.5% water; and 0-10% other ingredients; the compns. have a ratio of
    cationic softener to perfume of about 1:3-5:1 and a ratio of cationic softener
    to nonionic surfactant of about 1:2-4:1, the amount of cationic softener plus
    nonionic surfactant is about 1-30%; and the compns. are liquid aqueous phases
    with discrete hydrophobic particles dispersed substantially uniformly therein.
    Thus, a softener contained ditallowdimethylammonium chloride 1.14, glycerol
    monostearate 1.14, a perfume 0.6, Ca chloride 0.1, HCl 0.007, a silicone
    0.015, a dye 0.0045, and water.
IT  67846-68-8, Di(stearoyloxyethyl)dimethylammonium chloride
    (stable high perfume, low active fabric softener compns.)
RN  67846-68-8  HCAPLUS
CN  Ethanaminium, N,N-dimethyl-2-[(1-oxooctadecyl)oxy]-N-[2-[(1-
    oxooctadecyl)oxy]ethyl]-, chloride (1:1)  (CA INDEX NAME)

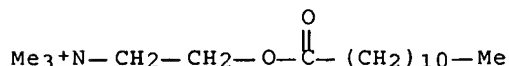
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containing)

RN 4277-89-8 HCAPLUS

CN Ethanaminium, N,N,N-trimethyl-2-[(1-oxotetradecyl)oxy]-, chloride
(1:1) (CA INDEX NAME)● Cl⁻

RN 25234-60-0 HCAPLUS

CN Ethanaminium, N,N,N-trimethyl-2-[(1-oxododecyl)oxy]-, chloride (9CI)
(CA INDEX NAME)● Cl⁻

IC ICM C11D001-835

CC 46-5 (Surface Active Agents and Detergents)

ST softener nonionic fabric granule dispersibility; packaging
cardboard nonionic softener fabric; sorbitan monostearate fabric
softener granule; glycerol monostearate fabric softener granule;
ammonium dispersant fabric softener granule;
cetyltrimethylammonium dispersant fabric softenerIT Quaternary ammonium compounds, uses
(dispersing agents, granules containing nonionic fabric
softeners and)IT Dispersing agents
(quaternary ammonium halides, granulated nonionic fabric softeners
containing)IT Softening agents
(nonionic, for fabrics, granules containing dispersing agents
and)IT 57-09-0, Cetyltrimethylammonium bromide 123-03-5, Cetylpyridinium
chloride 4277-89-8 25234-60-0, Lauroylcholine
chloride(dispersing agents, granulated nonionic fabric softeners
containing)IT 1338-41-6, Sorbitan monostearate 27195-16-0, Sucrose distearate
31566-31-1, Glycerol monostearate 94423-19-5
(fabric softeners, granules containing, water-
dispersible)

L34 ANSWER 28 OF 45 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1993:171080 HCAPLUS Full-text

DOCUMENT NUMBER: 118:171080

TITLE: Cationic surfactants, pigment dispersants

, and pigment dispersions

INVENTOR(S): Kara, Yonosuke; Takei, Toshio; Tanaka, Toshio
 PATENT ASSIGNEE(S): Dainippon Ink and Chemicals, Inc., Japan; Kawamura
 Physical and Chemical Research Institute
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04215830	A	19920806	JP 1991-58834	19910322

PRIORITY APPLN. INFO.: JP 1990-73992 A1 19900323

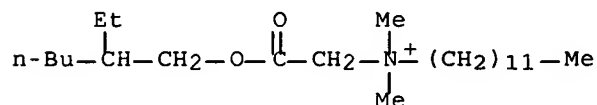
ED Entered STN: 01 May 1993

AB The title surfactant providing condensed polynuclear pigment sulfonic acid quaternary ammonium type dispersants for pigments for pigment dispersions of good flowability, storability, and miscibility with different pigments are quaternary ammonium salts, in which at least one of the groups bonded to the quaternary N contain carboxylic acid ester group. Thus, 12-hydroxystearic acid esterified with 2-ethylhexanol was treated with epichlorohydrin in the presence of BF₃-ether complex then Et₃N to give a cationic surfactant Et₃N+CH₂CH(OH)CH₂OCH(C₆H₁₃)(CH₂)₁₀CO₂CH₂EtBu Cl⁻ (QC1) which was treated with CuPcSO₃Na (Pc = phthalocyanine residue) to give a pigment dispersant CuPcSO₃Q (I). A varnish from CuPc 9, 4:1 Beckolite 57-206-40-Super Beckamine L-105-60 50, thinner 40, and I had viscosity 108 cP, thixotropy index 1.30, and gloss 75%.

IT 146555-23-9P 146555-24-0P 146555-25-1P
 146555-27-3P 146573-80-0P 146573-81-1P
 (surfactants, manufacture of, for pigment dispersants)

RN 146555-23-9 HCAPLUS

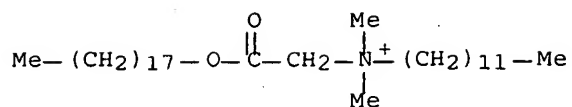
CN 1-Dodecanaminium, N-[2-[(2-ethylhexyl)oxy]-2-oxoethyl]-N,N-dimethyl-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

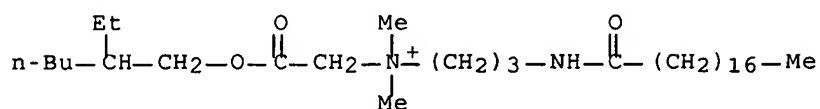
RN 146555-24-0 HCAPLUS

CN 1-Dodecanaminium, N,N-dimethyl-N-[2-(octadecyloxy)-2-oxoethyl]-, chloride (9CI) (CA INDEX NAME)

● Cl⁻

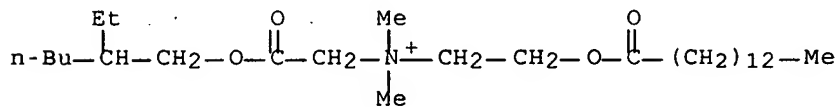
RN 146555-25-1 HCAPLUS

CN 1-Propanaminium, N-[2-[(2-ethylhexyl)oxy]-2-oxoethyl]-N,N-dimethyl-3-[(1-oxooctadecyl)amino]-, chloride (9CI) (CA INDEX NAME)

● Cl⁻

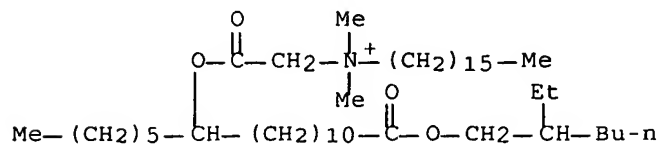
RN 146555-27-3 HCAPLUS

CN Ethanaminium, 2-[(2-ethylhexyl)oxy]-N,N-dimethyl-2-oxo-N-[2-[(1-oxotetradecyl)oxy]ethyl]-, chloride (9CI) (CA INDEX NAME)

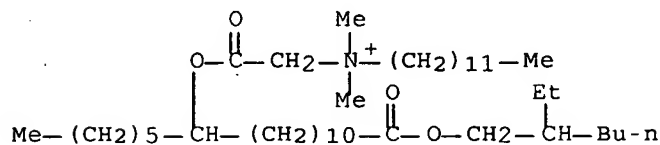
● Cl⁻

RN 146573-80-0 HCAPLUS

CN 1-Hexadecanaminium, N-[2-[[12-[(2-ethylhexyl)oxy]-1-hexyl-12-oxododecyl]oxy]-2-oxoethyl]-N,N-dimethyl-, chloride (9CI) (CA INDEX NAME)

● Cl⁻

RN 146573-81-1 HCAPLUS
 CN 1-Dodecanaminium, N-[2-[[12-[(2-ethylhexyl)oxy]-1-hexyl-12-oxododecyl]oxy]-2-oxoethyl]-N,N-dimethyl-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

IC ICM B01F017-46
 ICS B01F017-18; B01F017-38; C08G065-32; C09D171-02
 CC 42-6 (Coatings, Inks, and Related Products)
 Section cross-reference(s): 46
 ST cationic surfactant pigment dispersant coating; copper phthalocyanine pigment dispersant coating
 IT Pigments
 (for coatings, dispersants for)
 IT Carbon black, uses
 (pigments, for coatings, dispersants for)
 IT Dispersing agents
 (polynuclear pigment acid quaternary ammonium salts, for coating pigments)
 IT Quaternary ammonium compounds, uses
 (surfactants, pigment dispersant manufacture from)
 IT Surfactants
 (cationic, quaternary ammonium compds., pigment dispersant manufacture from)
 IT 146878-91-3
 (coatings, pigment dispersants for)
 IT 146555-14-8P 146555-16-0P 146555-18-2P 146555-20-6P
 146555-22-8P 146555-29-5P 146555-31-9P 146555-33-1P
 146555-35-3P 146573-83-3P 146615-20-5P
 (manufacture of, for pigment dispersants, for coatings)
 IT 147-14-8, C.I. Pigment Blue 15-3 1047-16-1, C.I. Pigment Violet 19
 13463-67-7, Titania, uses
 (pigments, for coatings, dispersants for)
 IT 146555-10-4P 146555-11-5P 146555-12-6P 146555-13-7P
 146555-23-9P 146555-24-0P 146555-25-1P
 146555-27-3P 146573-79-7P 146573-80-0P
 146573-81-1P 146598-27-8P 146663-32-3P
 (surfactants, manufacture of, for pigment dispersants)

L34 ANSWER 29 OF 45 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1992:86293 HCAPLUS Full-text
 DOCUMENT NUMBER: 116:86293
 TITLE: Stable biodegradable fabric softening compositions containing linear alkoxyated

alcohols
 INVENTOR(S): Chang, Nienyuan J.
 PATENT ASSIGNEE(S): Procter and Gamble Co., USA
 SOURCE: U.S., 11 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5066414	A	19911119	US 1989-319936	19890306
			<--	
PRIORITY APPLN. INFO.:			US 1989-319936	19890306
			<--	

OTHER SOURCE(S): MARPAT 116:86293

ED Entered STN: 06 Mar 1992

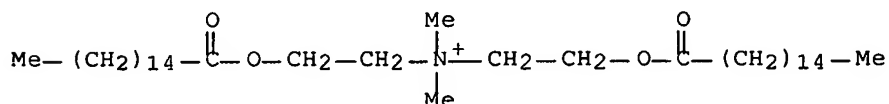
AB Liquid fabric softening and antistatic **compns.** comprise 1-25% particulate (particle size <1 μ m) softening agents R₂N+R₁CH₂CH₂O₂CR₂ X- (R = C₁-6 alkyl or hydroxyalkyl; R₁ = CH₂CH₂O₂CR₂ or C₁₃-19 hydrocarbyl; R₂ = C₁₃-21 hydrocarbyl; X- = anion), 0.1-10% condensation products of 1 mol linear C₈-18 fatty alcs. and 1-10 mol ethylene oxide and/or propylene oxide, and 60-98% C₁-4 alc.-water mixture, have pH 2.0-5.0, and are free of unprotonated acyclic amines to enhance the hydrolytic stability of the softening agent during storage. The **compns.** impart softness to natural and synthetic fabrics, have low viscosity, and have good stability and **dispersibility**. A **composition** contained Me₂N+(C₁₈H₃₇)CH₂CH₂O₂CC₁₅H₃₁Cl- 5.0, iso-PROH 1.0, glycerol monostearate 1.2, and Neodol 23-3 0.5%, the balance being **water** and additives.

IT 97158-31-1 120607-15-0

(fabric softening **compns.** containing, storage-stable)

RN 97158-31-1 HCAPLUS

CN Ethanaminium, N,N-dimethyl-2-[(1-oxohexadecyl)oxy]-N-[2-[(1-oxohexadecyl)oxy]ethyl]-, chloride (1:1) (CA INDEX NAME)



● C1 -

RN 120607-15-0 HCAPLUS

CN 1-Octadecanaminium, N,N-dimethyl-N-[2-[(1-oxohexadecyl)oxy]ethyl]-, chloride (9CI) (CA INDEX NAME)